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L4: Entry 1 of 12

File: PGPB

Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030228322
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TITLE: Multifunctional monoclonal antibodies directed to peptidoglycan of gram-positive bacteria

PUBLICATION-DATE: December 11, 2003

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REPRESENTATIVE-FIGURES: NONE

ABSTRACT:

The present invention encompasses protective monoclonal antibodies that bind to peptidoglycan of Gram-positive bacteria. The antibodies also bind to whole bacteria and enhance phagocytosis and killing of the bacteria in vitro and block nasal colonization by Gram-positive bacteria in vivo. The invention also provides human, humanized and chimeric antibodies. The invention also sets forth the heavy chain and light chain variable regions of an antibody within the invention.

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is based on and claims the benefit of U.S. Provisional Application Ser. No. 60/343,444, filed Dec. 21, 2001 (Attorney Docket No. 07787.6004). The entire disclosure of this provisional application is relied upon and incorporated by reference herein. This application relates to U.S. patent application Ser. No. 09/097,055, filed Jun. 15, 1998, which is specifically

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- incorporated herein by reference, and to U.S. Patent Application Ser. No. 60/341,806, and the application entitled, Methods for Blocking or Alleviating Staphylococcal Nasal Colonization by Intranasal Application of Monoclonal Antibodies, filed herewith, and previously, on Dec. 20, 2001, and to U.S. Pat. Nos. 5,571,511 and 5,955,074, which are all specifically incorporated herein by reference.